

IN THE CLAIMS

Please cancel claims 1-41, all of the claims in the subject U.S. patent application, as filed, as set forth in the verified translation of WO 2004/018206 A1.

Please add new claims 42-100 as follows.

Claims 1-41 (Cancelled)

42. (New) A cylinder of a printing press comprising:

at least one cylinder groove beneath a surface of said cylinder, said cylinder groove extending axially in said cylinder;

at least one dressing end holding device in said cylinder groove and adapted to hold an end of a dressing supported on said surface of said cylinder; and

a controllable actuator in said cylinder groove and adapted in response to a control signal applied to it, to change its length axially in said cylinder groove, said controllable actuator being in operative contact with said holding device to displace said holding device axially over an actuating path oriented axially in said cylinder.

43. (New) The cylinder of claim 42 further including at least first and second dressings arranged in said axial direction on said cylinder surface.

44. (New) The cylinder of claim 43 wherein said controllable actuator is operable to change a spacing distance between said at least first and second dressings over said actuating path.

45. (New) A cylinder of a printing press comprising:
- at least one cylinder groove extending axially beneath a surface area of said cylinder;
 - at least first and second dressings supported on said surface and arranged in an axial direction of said cylinder; and
 - at least one actuating means in said cylinder groove and usable to change a distance between said at least first and second dressings over an actuating path oriented in said axial direction of said cylinder, said at least one actuating means being electrically operable.
46. (New) The cylinder of claim 45 wherein said actuating means is an electric motor.
47. (New) The cylinder of claim 45 further including a control signal applied to said actuating means, said actuating means having a changeable axial length, said control signal causing said actuating means to change its axial length to change said distance between said first and second dressings over said actuating path.
48. (New) The cylinder of claim 43 wherein said at least first and second dressings are arranged next to each other on said cylinder.
49. (New) The cylinder of claim 45 wherein said at least first and second dressings are arranged next to each other on said cylinder.

50. (New) The cylinder of claim 43 further including a separate actuator assigned to each of said first and second dressings.

51. (New) The cylinder of claim 45 further including a separate actuating means arranged to each of said first and second dressings.

52. (New) The cylinder of claim 42 further including a second cylinder groove offset from said first cylinder groove in a circumferential direction of said cylinder and at least one said actuator in each said groove.

53. (New) The cylinder of claim 45 further including a second cylinder groove offset from said first cylinder groove in a circumferential direction of said cylinder and at least one said actuating means in each said groove.

54. (New) The cylinder of claim 43 further including at least one holding device for each of said first and second dressings, said actuator changing a position of each said holding device.

55. (New) The cylinder of claim 45 further including at least one holding device for each of said first and second dressings, said actuating means changing a position of each said holding device.

56. (New) A printing group comprising:

a plurality of print positions, each said print position having printing cylinders adapted to print color points of a common printed image on a material to be printed, said material to be printed passing through serial ones of said print positions in a direction of travel and being subject to a lateral extension changing transversely to said direction of travel;

at least one dressing on each of said printing cylinders and adapted to print said color points of said common printed image;

at least one axially extending groove beneath a surface area of each said printing cylinder, said at least one groove having a slit-shaped opening extending to said cylinder surface;

at least one holding device in each said groove and engageable with a dressing end extending from a dressing on said cylinder surface into said cylinder groove through said slit-shaped opening; and

an actuating means in said at least one groove in at least one of said printing cylinders, said actuating means being usable to displace said at least one holding device in said cylinder axial direction over an actuating path in response to a control signal applied to said actuating means, whereby said at least one dressing arranged on said at least one printing cylinder at said print position is adjusted in its axial position such that said printed color points of said common printed image are axially positioned correctly in accordance with said lateral extension of the material to be imprinted.

57. (New) The printing unit of claim 56 wherein said actuating means is an actuator.

58. (New) The printing unit of claim 57 wherein said actuator changes axial length with respect to said cylinder in response to said control signal.
59. (New) The printing unit of claim 56 wherein said actuating means moves said holding device during operation of said printing unit.
60. (New) The printing unit of claim 56 wherein said actuating means is located in said grooves in at least one of a forme cylinder and a transfer cylinder.
61. (New) The printing unit of claim 56 further including a linear measuring system.
62. (New) The printing unit of claim 61 wherein said linear measuring system is a wire strain gauge in said actuating means.
63. (New) The printing unit of claim 61 further including means for transmitting a measurement obtained by said linear measuring system outside of said cylinder.
64. (New) The printing unit of claim 56 further including a print image detector in said printing unit and usable with said actuating means for positioning said printed image.
65. (New) The printing unit of claim 64 wherein said print image detector is a sensor directed onto the material to be printed.

66. (New) The printing unit of claim 65 wherein said sensor is an image sensor.
67. (New) The printing unit of claim 66 wherein said image sensor is a CCD camera.
68. (New) The printing unit of claim 56 further including a regulating device including means for comparing said common printed image with a reference printed image and means for controlling said actuating means in response to said comparison.
69. (New) The printing unit of claim 68 further including a control console for said printing unit, said regulating device being arranged in said control console.
70. (New) The cylinder of claim 42 wherein said control signal is an electrical control signal.
71. (New) The printing unit of claim 56 wherein said control signal is an electrical control signal.
72. (New) The cylinder of claim 42 wherein said actuator performs a translatory movement for displacing said holding device.
73. (New) The printing unit of claim 56 wherein said actuating means performs a translatory movement for displacing said holding device.

74. (New) The cylinder of claim 42 wherein said actuator has a length and a width, said length being greater than said width.

75. (New) The cylinder of claim 45 wherein said actuating means has a length and a width, said length being greater than said width.

76. (New) The printing unit of claim 56 wherein said actuating means has a length and a width, said length being greater than said width.

77. (New) The cylinder of claim 42 wherein said actuator has an actuator length and an actuator width and wherein a ratio of said actuator length to said actuator width is greater than 2.

78. (New) The printing unit of claim 57 wherein said actuator has an actuator length and an actuator width and wherein a ratio of said actuator length to said actuator width is greater than 2.

79. The cylinder of claim 42 wherein said actuating path is between 100 μm and 2 mm.

80. The cylinder of claim 45 wherein said actuating path is between 100 μm and 2 mm.

81. The printing unit of claim 56 wherein said actuating path is between 100 um and 2 mm.

82. (New) The cylinder of claim 42 wherein said actuator is one of a piezo-electrical system and a magnetostrictive system.

83. (New) The printing unit of claim 57 wherein said actuator is one of a piezo-electrical system and a magnetostrictive system.

84. (New) The cylinder of claim 42 wherein said actuator is remotely controllable.

85. (New) The cylinder of claim 45 wherein said actuating means is remotely controllable.

86. (New) The printing unit of claim 56 wherein said actuating means is remotely controllable.

87. (New) The cylinder of claim 42 wherein said actuator includes a housing, said housing being adapted to a shape of said at least one cylinder groove.

88. (New) The cylinder of claim 45 wherein said actuating means includes a housing, said housing being adapted to a shape of said at least one cylinder groove.

89. (New) The printing unit of claim 56 wherein said actuating means includes a housing, said housing being adapted to a shape of said at least one cylinder groove.

90. (New) The cylinder of claim 42 wherein said actuator includes a head element and a base element, said head element being rigidly connected with said groove, said head element exerting a force on said holding device for moving said holding device.

91. (New) The printing unit of claim 57 wherein said actuator includes a head element and a base element, said head element being rigidly connected with said groove, said head element exerting a force on said holding device for moving said holding device.

92. (New) The cylinder of claim 42 wherein said holding device includes at least one plate end holding element and a spring.

93. (New) The printing unit of claim 56 wherein said holding device includes at least one plate end holding element and a spring.

94. (New) The cylinder of claim 92 wherein said holding element is a plate end clamping piece.

95. (New) The printing unit of claim 93 wherein said holding element is a plate end clamping piece.

96. (New) The cylinder of claim 92 wherein said holding element is a registration pin.
97. (New) The printing unit of claim 93 wherein said holding element is a registration pin.
98. (New) The cylinder of claim 42 further including a base body in said cylinder groove, said holding device being positioned in said base body, said actuator displacing said base body.
99. (New) The printing unit of claim 57 further including a base body in said cylinder groove, said holding device being positioned in said base body, said actuator displacing said base body.
100. (New) The printing unit of claim 42 further including a plurality of said controllable actuators in said groove and including a first actuator located remote from said holding device and a second actuator being said actuator in contact with said holding device, said first actuator being rigidly connected to said groove, a remainder of said plurality of actuators being connected with each other, said actuating paths of said plurality of actuators being cumulative.